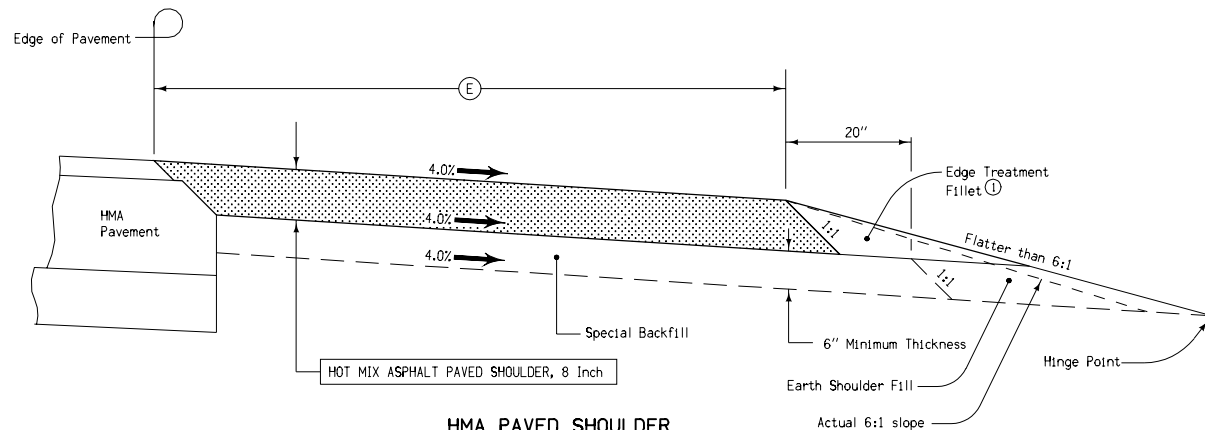


HMA PAVED SHOULDER
ADJACENT TO NEW CONSTRUCTION



HMA PAVED SHOULDER
ADJACENT TO RECONSTRUCTION

DESIGN QUANTITY TABLE^②

HOT MIX ASPHALT^③

SHOULDER SURFACE AREA Sq. Yds.				HOT MIX ASPHALT Tons				ASPHALT BINDER Tons				TACK COAT ^④ Gallons			
E = 4'	E = 6'	E = 8'	E = 10'	E = 4'	E = 6'	E = 8'	E = 10'	E = 4'	E = 6'	E = 8'	E = 10'	E = 4'	E = 6'	E = 8'	E = 10'
44.44	66.67	88.88	111.11	19.33	29.00	38.66	48.32	1.16	1.74	2.32	2.90	2.91	4.02	5.13	6.24


GENERAL NOTES:

Payment for "Special Backfill" shall be based on a uniform 6-inch thickness. The thickness may be exceeded at the Contractor's option with no compensation for the additional material.

Contract Items:

Paved Shoulder, Hot Mix Asphalt Mixture, 8 in.
Special Backfill

- ① Refer to the appropriate Detail Drawing.
- ② Quantities indicated are for design purposes. Quantities listed are for one shoulder per station.
- ③ Quantities shown are based on a design weight of 145 lbs./cu. ft. for Hot Mix Asphalt with an asphalt content of 6.0% utilizing a 3/4" aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements. N_{inj} , N_{des} , and N_{max} shall be 7, 68, and 104 respectively regardless of design ESALs for the pavement. Asphalt Binder PG58-28 shall be utilized with this mix.
- ④ Includes quantity for tack coating vertical face of adjacent pavement prior to placement of any base material. Tack coat estimated at one (1) application at 0.05 gal./sq. yd.

 Iowa Department of Transportation Highway Division	
STANDARD ROAD PLAN	RJ-33
REVISION: Remove reference to Rumble Strip Standard.	REVISION NO. 16
<i>William J. Allen</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 10-21-03
<p align="center">PAVED SHOULDER 8" HOT MIX ASPHALT (ADJACENT TO HMA PAVEMENT)</p>	